

McGill Daily

Vol. 3, No. 30.

Montreal, Thursday, November 6, 1913.

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Let Us Solve Your Overcoat Problems

Our selection is large, complete with the newest fabrics, prices you will find right and, best of all,

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We are now closing our immense stock of de luxe Sets of Standard Books.

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Complete Sets of Authors at 10 cents on the dollar.

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Consisting of complete works of Herodotus, Thucydides and Xenophon—12 volumes. Value: \$120.00 for the Set. Our price: \$12.00.

"OUR CREED IS THIS"

Happiness is the only good. The place to be happy is here. The time to be happy is now. The way to be happy is to make others so.—R. G. I.

The Dominion Book & Art Co.
235 ST. JAMES STREET.

WM. A. MCGILL, MANAGER.

McGill Supply Store



College Sweaters at lowest prices. Jerseys, Stockings, Stick Pins, etc. Makers of Pennants, Badges, etc. VEGETABLES.

Scott Bros.

"Agents for Lion Brand Collars."
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STUDENTS

Here is a Sample of our

25c Menu

LUNCH FROM 12 TO 2 P.M.
SUPPER, 5.30 TO 7 P.M.

SOUPS.

Ox-Tail. Tomato.

JOINTS.

Roast Pork, Apple Sauce.

Roast Lamb, Mint Sauce.

VEGETABLES.

Green Peas.

Sweet Corn.

Mashed Potatoes.

PASTRY.

Deep Apple Pie.

Strawberry Jam Roll.

Rice Custard.

Tea. Coffee.

Bread and Butter.

Charles Green
117 METCALFE

Eight distinct building projects are going on at Harvard, involving a cost of more than four million dollars. Not since the medical school was finished in 1906 has there been such an addition to the university. The most important of the new buildings is the Widener Library in the college yard, on which two million dollars is being spent. The remainder goes to Freshman dormitories, the stadium bridge, laboratories, and museum extension.

JUNIORS WILL HOLD DANCE THIS MONTH

Nov. 28th Decided On as Date
By Committee

The Junior dance committee have completed their plans for the annual ball which will take place on Friday the twenty-eighth of November.

As usual the dance will be held in the Union and the committee state that if human ingenuity and energy can do so, this year's event will be made to eclipse anything ever before attempted at McGill. One hundred and twenty-five tickets will be sold and as these only admit a lady and gentleman there should be no overcrowding.

This is probably the best feature of the programme so far as many dances are spoiled through there being too many people on the floor. Plenty of space is an absolute necessity now that the tango and one-step have apparently come to stay. The various steps and postures which form a part of this style of dancing require more leeway than did the two-step or waltz, and in restricting the sale of tickets the Junior dance committee is following the example of all hostesses throughout the country.

M.A.A.A. WIN BOTH MATCHES

Seniors and Intermediates Lose
By Scores of 1 to 0 and 3 to 0

McGILL ON DEFENSIVE

Trapp and Paterson Star for McGill—Intermediates Weak

The boys from M.A.A.A. won their games in both senior and intermediate division of the water polo league. The senior game was well contested and very exciting. The intermediate game was a bit ragged. No dull moments appeared in the senior game, though M.A.A.A. were nearly always on the aggressive. McGill put up a splendid defence game, Paterson bearing the brunt of the attack. Trapp in goal also played a good game, stopping many difficult shots. For M.A.A.A. McGill and Rust did much work these two being always very aggressive. The A.A.A. goal keeper did good work. Caine scored M.A.A.A.'s one goal.

The intermediate game wasn't up to regular intermediate class. McGill being particularly weak both on offensive and defensive. Neither team covered up properly and there was much scrapping. No one on the McGill team can claim any praise for their work, as the M.A.A.A. men had no difficulty hanging on to the ball when checked. All scoring was done in the first quarter. Hartney scoring two and Thom one. Final score 3-0 for M.A.A.A.

Referees—Moore and Gathercole.

Umpires—Birks and Stavert.

M.A.A.A. Senior line-up.

Goal, R. Eberton, Defense, Ritchie and Rust, Forwards, Caine, McGill and Logan.

McGill Senior line-up.

Goal, Trapp, Defense, Paterson and Baldwin, Forwards, E. McLean, Hodgson and Smith.

M.A.A.A. Intermediate line-up.

Goal, Beaton, Defense, Earl and Horn, Forwards, Lester and Hartney.

McGill Intermediate line-up.

Goal, Walter, Defense, Gilchrist and Clark, Forwards, L. E. Smith, Light-hall and Pengelly.

C.O.T.C. WILL NOT ENTER FOR MARCH

Parade Held Yesterday — Decided Not to Enter "Star" Endurance Test

The McGill contingent of the C. O. T. C. held a parade yesterday afternoon at the Armoury, Sherbrooke St. They marched from there to the Bessy St. Armoury, where a drill was held.

It was decided to withdraw the corps from the Star endurance test, as sufficient number of men would not signify their willingness to go for the march.

A lecture will be held on Friday afternoon, when Capt. Papineau will address the C.O.T.C. men and Capt. Helmreich the remainder.

A baseball practice will be held this afternoon at the Craig St. Armoury.

KINGSTON DELEGATION

A large delegation of McGill students will leave to-morrow at 9:00 for Kingston. A special car will be attached to the International Limited for the convenience of those making the trip. Tickets may be obtained from the secretaries at Strathcona Hall.

YEARS CLASH FOR WOOD CUP

Winners of this Game Will Wear Class Numerals

15-16 GAME AT NOON

Shake-up of the Teams Is Probable—All Players to Turn Out

The finals of the Wood Cup series take place to-day, when '15 and '16 meet on the campus. The series this year has attracted considerable interest and the final game gives promise of proving very interesting. Both '15 and '16 easily defeated their opponents, and while it is impossible to forecast the result, it is safe to predict a very good game.

It is very probable that several changes will be made in the line-up of both teams. Buster Reid has definitely retired from all football for the year. Eberts, who distinguished himself in the Medicals, will play center half in his stead. The captains of both teams have requested that all men who have either played or practised with the team before will turn out in uniform this morning at 12 o'clock, when the game will take place. A place on the winning Wood Cup team is well worthy of an effort inasmuch as it carries with it the right to wear class numerals.

Stuart Forbes, the captain of '15, announces that his team will be composed from among the following: N. Forbes, Kennedy, Eberts, Bonhomme, Morrow, O'Leary, Tracy, Hovey, Wilks, Little, Murray, Rexford, Taylor, Walbank, Cushing, McEwen. '15 won the championship last year, and are going to try to repeat the feat this year. The line-up for '16 was not obtainable.

The Pennsylvania has devoted particular attention to perfecting its organization for safety. The methods by which the management follows up all questions of safety is indicated in this statement:

"On each division of the system there is a regular inspection for the handling of wrecks. A designated officer of each department goes to the scene of each accident and a joint investigation is embodied in detailed reports. These reports pass through the hands of the superintendent, the general superintendent and the general manager. The superintendent takes such action to prevent repetition as may be deemed necessary and the general manager checks the work of the superintendent."

THEATRE NIGHT SEEMS CERTAIN

Two More Classes Decided to Support Movement Yesterday

COUNCIL MEET TO-NIGHT

Two-thirds of Classes Now Urge Council for Action

At a well attended meeting of the Fourth year in Arts, held yesterday morning a resolution was unanimously adopted favoring a re-establishment of Theatre Night. The secretary of the class was instructed to write the Students Council to this effect. The proposal encountered no opposition whatever, and occasioned very little discussion. Emphasis was placed upon the fact, both by Mr. Gale, the president and by others who spoke, that the proposal was to establish a custom that would differ to some extent from those held in previous years. The Theatre Night this year will be an orderly one. The general opinion of the students at the meeting was that everything should be done to make the affair as successful as possible and one which would in every way be a credit to the University. The fourth year men present appeared to be willing to take upon themselves the responsibility of speaking for the entire faculty, both in the desire for a Theatre Night and in the determination of the students to conduct themselves in an orderly manner.

At the same time a meeting was held by the students of Medicine '15. This meeting like the one in Arts was unanimous in its approval of the revival. The officers of the class will communicate with the Students Council in order that they may consider the question at their meeting to-night.

The Council is now in possession of considerable information on the subject and should have no difficulty in arriving at a decision. It is important that this be done at once as the event, if it does take place, will have to be held this month. To date, nine out of the thirteen classes in the three faculties have voted on the question and have all voted in favor of the re-establishment. These classes represent all the faculties, and may be safely taken as an indication of a very general sentiment on the matter.

The Meds seem to be the most enthusiastic. At all events they have held the most meetings. All except the Senior class have now taken action. In Arts every class except the Freshman has approved of the scheme. In Science both the Senior and Freshman classes are yet to be heard from.

It is expected that the few remaining classes will hold meetings at once and report their decisions to the Council.

NEW BUILDINGS TO BE CONSTRUCTED VERY SOON, SAYS PRINCIPAL PETERSON

Gymnasium and Armory Will Probably Be Under Way Before Close of 1914 — Molson Property Will Be Utilized

DORMITORIES, STADIUM, AND COVERED RINK PROJECTED

Funds Sufficient for a Start Are Available—No Truth in Report that Another Whirlwind Campaign Is Planned

That it was the intention of the corporation of McGill University to erect a series of dormitories to accommodate all the students, and to cost in the neighborhood of \$2,000,000 was the statement given out by Principal Peterson yesterday morning to the McGill Daily. There will in all probability be three buildings constructed—an armory, to be built and maintained by the government; a gymnasium, equipped in every modern way, to cost something around three hundred thousand dollars, in connection with which it is planned to build a stadium to hold something like eight thousand students; and most important of all, for the welfare of the University, a series of dormitories.

It is planned that the dormitories be built in sections, each section to hold possibly one hundred and fifty students—the whole series to be large enough to accommodate nearly all the students of the university.

It is important to note that these plans are subject to drastic changes, at the approval of either the donors to any of these buildings or the government themselves, and that although optimistic regarding the plans, it cannot be said that the dormitories will be built in the next year.

The gymnasium will be facing Pine Avenue, and will be, if the plans materialize, a very large building, equipped in the most modern fashion possible. One of the features will be a swimming tank.

The stadium in connection with the whole affair will, as far as present indications go, be large enough to seat several thousand students, and will be made in such a way that the seats will protect the onlookers from the direct rays of the sun. In connection with this it is proposed to have a much larger campus than the present one, and to have a track along the outside.

The dormitories, although by far the most important matter, is the least definitely decided, for the very reason that it is such a vast undertaking. The system of building the whole dormitories in units is the most practicable scheme for economic and disciplinary reasons.

The dormitories will be made to best suit the requirements of the average student. In discussing the matter Principal Peterson said: "The erection of the dormitories will mean the opening chapter of a greater McGill. At present many students are restrained from coming to McGill only on account of the limited accommodation here, and the lack of proper dormitories. When the dormitories are built I am sure that the attendance will increase forty per cent in the first year. In spite of the lack of accommodation, however, our attendance is increasing. I am proud of this, as it shows that the students come here on account of our reputation, and in spite of the drawbacks."

An evening paper yesterday announced that the above scheme for the development of Greater McGill would be brought about by means of another whirlwind campaign. Enquiry at the Bursar's office elicited an indignant denial of the report.

Large as the undertaking is, it has been under consideration for some time. This is the first public notice of the intentions of the corporation, but should not be considered as definite, for the very reason that there is a chance of the plans being changed, as the corporation see fit. These plans are all made, taking into consideration that the money will be obtained. Should it not, the plans will naturally have to be changed. Given a few years these ideas at least are sure to materialize, and the Freshman of today may certainly be assured of seeing McGill University one of the greatest on the continent, not only in the matter of learning (she already has that) but in magnificence of buildings and equipment as well.

At a meeting of the executive of the Maritime Club held in Strathcona hall last night, it was decided to hold at least two smokers and a dinner during the session of 1913-14. Some of the prominent speakers who gave addresses at the banquet

STUDENTS AND SCHOLARS OF MCGILL
DEPOSIT YOUR SAVINGS WITH
THE MONTREAL CITY AND DISTRICT SAVINGS BANK
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The Only Bank incorporated under the Savings Bank Act doing business in the City of Montreal. Its charter (different from that of all other banks) ensures every possible protection to depositors. ITS CHIEF OBJECT is to receive and to SAFELY INVEST savings, however moderate, of the widow, orphan, scholar, clerk, apprentice, of the young people and the working industrial and agricultural classes.
Every courtesy and attention will be shown to you whether your account be large or small.
N. W. POWER, Manager.
St. Catherine St., West, Branch—Corner McGill College Avenue.
Ask for one of our "Home Savings Banks." It helps you to save.

WALK-OVER
The Shoe For You
Saying the right thing at the right time is easier than you may believe.
Doing so will save you a lot of trouble.
For instance:—When you want shoes that fit your feet ALL OVER—snugly, comfortably and stylishly, just say to one of our clerks—
"FIT ME to a pair of 'Walk-Overs!'"
There's a Reason."
Walk-Over Boot Shop
521 St. Catherine St. West.

Canada's Leading Life Company
When you consider life assurance, remember these two facts:—
The Sun Life of Canada is the premier Canadian Company in all aspects.
Outside of companies issuing "industrial" policies, the Sun Life of Canada does the largest life assurance business in the British Empire.
Assets over \$50,000,000
Business in force, over \$190,000,000
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BLUE-NOSE STUDENTS WILL HOLD SMOKERS
Nov. 19th Fixed as Date for First of Maritime Club Affairs
At a meeting of the executive of the Maritime Club held in Strathcona hall last night, it was decided to hold at least two smokers and a dinner during the session of 1913-14. Some of the prominent speakers who gave addresses at the banquet

INTERESTING ADDRESS ON DARTMOOR BY DEAN MOYSE

Large Meeting of the Delta Sigma Society Addressed by Dr. Moise—Unique Formation in Devonshire — Remains Found of Ancient Tin Industry

Yesterday afternoon about one hundred of the ladies of the Royal Victoria College and invited representatives from the other faculties of the University were the guests of the Delta Sigma Society at their annual tea and entertainment. The meeting was held in one of the large classrooms upstairs. The President of the Society, Miss Helen Willis, in a few well-chosen words welcomed the guests and explained the objects of the Society which is to advance the interests of public speaking and literary research among the students at the R.V.C. Miss Willis then introduced Dean Moise, the speaker of the afternoon. Dr. Moise entertained the gathering for almost an hour with a most interesting illustrated lecture on Dartmoor. The speaker himself is a native of Devonshire and has a very intimate personal knowledge of the vicinity.

Dartmoor is a great granite upland in Devonshire, the source with two exceptions of all the principal rivers of the country. It is remarkable alike for its wild and rugged scenery, its antiquities, its rich soil, its numerous lakes, and its mineral products. It is upwards of 130,000 acres in extent, or to make the size more apparent, a good deal larger than the island of Montreal.

The central portion is the ancient royal forest of Dartmoor, and this is surrounded by a belt of open country once known as the Commons of Devonshire, but portions of which have been inclosed. This great moor is surrounded by a large number of small villages, but there are very few people living on the moor itself. The moor is traversed by numerous ditches and channels which make walking difficult and often dangerous. The famous Devonshire ponies which inhabit the moor in great abundance are able to find their way with safety and dexterity.

The attempts to cultivate Dartmoor itself have been very few, and the northern quarter for miles shows no trace of man, but the valleys, in which the rivers descend to the lowland country are singularly fertile and at

times full of eauty. The forest rights belong to the duchy of Cornwall, but there are rights of pasture exercised by holders of what are called venville tenures in certain parishes bounding the moor which date prior to the Norman Conquest. The highest point in Dartmoor is known as High Willhays and is 2,093 feet above the level of the sea. The second is Yes Tor, 2,030 feet. The hills are commonly called "tors" and for the most part have granite crests weathered into grotesque and picturesque shapes. The whole of Dartmoor is of granite, protruded between the close of the Carboniferous and the opening of the Triassic periods.

The moor is rich in minerals. Tin has been raised for many centuries long before the dawn of history, by streaming in the valleys, and vestiges of the ancient mining operations of the "old men" abound. The tinners of Devonshire had a quasi-corporate existence in Saxon times, and their rights were confirmed by King John and other monarchs. The tinners' parliaments in which they managed their affairs were held in the open air on Crocken Tor.

The most important product of Dartmoor to-day, is china clay or kaolin. There is a very singular group of gnarled and stunted oaks on a slope overlooking the West Dart. The chief rivers arise in a wide stretch of peat bog around Cranmer Pool, which is the most inaccessible point in the whole moor. Here are the beginnings of the Dart, Teign, Taw, Okement, Laid, Tavvy, and Walkham.

Altogether the place is one of the most interesting from historical and geological points of view to be found anywhere.

At the close of the lecture Miss Cameron, the honorary president, thanked Dr. Moise for his extremely interesting and instructive address, and Miss Willis tendered the vote of thanks amid hearty applause. Then the whole company adjourned to the dining room where refreshments were served and a very pleasant social hour spent.

CAN RAIN BE MADE?

To judge from accounts in some of the daily papers, experiments in rain-production by dynamite explosion, made at Battle Creek, Mich., on July 23 last, were crowned with success. It is undoubtedly a fact that dynamite was detonated there and that rain followed. In a circular issued by the Central Fruit-Growers' Association of that place it is asserted, or at least intimated, that there was a relation of cause and effect between these two events. To a correspondent of The Rural New Yorker, (New York, October 19), who writes to that paper about the matter, Prof. Willis L. Moore, Chief of the United States Weather Bureau, returns a categorical answer, setting forth the opinions held not only by the Government authorities, but by all men of science regarding the "rain-making business." Says Professor Moore:

"If such attempts held out the slightest prospect of success, the Weather Bureau would give them every encouragement. Moreover, if rain-making were merely a harmless popular delusion, this bureau would not feel called upon to take an active part in opposing it. This, however, is far from being the case. The advocates of rain-making, whether acting in good faith or for some selfish motive, are already expending a great deal of money on the part of the public, and at present a deliberate propaganda appears to be in progress in behalf of these absurd and extravagant undertakings.

The fact that rain followed the explosion of dynamite at Battle Creek on the afternoon of July 23 has been given great publicity in the daily papers. However, any one who wishes to learn exactly what importance should be attached to the claim of the rain-makers, need only consult the daily weather map of the date of explosions, which is on file at Weather Bureau stations throughout the country and in many public libraries. The map, published on the morning of July 23, before the explosions took place, presents the results of simultaneous observations made all over the country at 8 a.m. Eastern time. On that morning a wide-spread barometric depression covered the States of the upper Mississippi Valley and western Lake Region, accompanied by rainy and cloudy weather extending as far east as the western border of Michigan.

"A very slight knowledge of meteorology, or even such familiarity as the

general public might be expected to have with the movements of storms as shown from day to day on the weather maps, would have indicated to anyone who consulted this map on the morning of July 23, that rain was almost sure to occur at Battle Creek in the course of the day in connection with the regular eastward drift of the storm; and in fact the Weather Bureau is informed that light showers actually occurred at Battle Creek during the early morning of the 23rd, and that the weather was generally cloudy and threatening up to the time that heavier rain set in during the afternoon. The rain then fell as showers, and not as a steady down-pour, but part of a rain-storm that extended over many thousand square miles of territory and that originated somewhere in the Canadian Northwest days before the experiments took place.

"These facts should make it evident to everyone who is not absolutely blinded by prejudice that in the case of the Battle Creek experiments, at least, the explosion of dynamite can not be credited with the production of rain-fall. I wish to add, however, that even if the meteorological conditions had apparently not favored the occurrence of rain, but if rain had nevertheless followed the explosions, no scientific man who is familiar with the processes involved would have regarded its occurrence as other than a coincidence. It is a curious and somewhat difficult to explain to laymen why the attitude of the scientific world is so uncompromising on this subject, especially as the erroneous idea has taken root firmly in the public mind that rain is actually caused by great battles and by explosions in general. The gist of the argument, however, is that the aqueous vapor in the air can be condensed by only one process, viz., cooling. Moreover, even if the vapor is already condensed into minute drops, i.e., if clouds are present, the explosion of a quantity of dynamite is without the slightest effect in accelerating the aggregation of these into drops large enough to fall as rain.

"This fact can easily be demonstrated by an experiment proposed some years ago by the late Professor Simon Newcomb. The condensed steam escaping from a tea-kettle represents water in approximately the same condition as that of which the clouds are formed. Now if we stand in this column of steam and clap our hands we should certainly not produce a shower of rain, although the agitation of the air due to the clapping is actually much more violent than that produced in the clouds by the explosions on the surface of the ground."

ILL-FEELING IN KINGSTON OVER SATURDAY'S RIOTING

Controversy in Press Over Right of Students to Celebrate—Artillery Almost Called Out to Quell Disturbance.

Kingston, November 5.—The rioting by Queen's students after Saturday's football victory was considerably worse than the first reports would indicate, and much ill-feeling has been stirred up over the affair between town and gown.

The "Kingston Standard," in a front page article entitled "Hooligan Students," made certain derogatory statements regarding the actions and principles of the Queen's students, which were answered by one of the latter, Mr. D. G. Brown. This letter, published on the front page of the same paper, claims that on such an occasion as that of last Saturday, the townspeople should use no restraint to the students, and demands that justice be done.

In reply, the editor states that this is exactly what should be done. The

ordinary sentences meted out to common hooligans should be inflicted in this instance. The article charges that the rioters lined up in the bars demanding free drinks, rotten-egg policemen in the performance of their duty, knocking members of the opera house audience cold by hurling rocks, caused women to faint with fear and nervous strain and, in fact generally painted the town red. It is also stated that the members of the football company holding the boards at the local opera house called on the American consul for protection while one of the city fathers was on the point of calling out the artillery to quell the disturbance.

Kingston has not been so wrought up over anything for years and the peace-loving citizens are fervently hoping for a Queen's defeat on Saturday, as a win over Varsity might cause another upheaval.

THEY NEVER GROW OLD

That old age, as we call it, is not a necessity of living matter, appears to be shown by experiments made during five years past on the lower organisms. It was pointed out many years ago that creatures which reproduce simply by splitting in two are apparently "immortal." Each individual, it is true, retains its identity only until the moment of reproduction, when it becomes two different individuals. The progeny, however, are identical in all respects with the parent, at the moment of division, and so the latter, instead of dying, becomes simply "diluted," as it were in a vast host of descendants.

More recent investigations, however, showed that, in many cases, at least, occasional reproduction by conjugation was necessary to keep up the vitality of the race. Without it the individuals grew old and died. The latest reports indicate that, with a proper choice of conditions, this aging and death are unnecessary. Certain one-celled organisms that generate by fission have now been kept for more than five years without showing a sign of it, and the indications are that physical immortality of this special kind—meaning that the individual is a normal attribute of living matter in its simplest forms. We read in the Revue Scientifique (Paris, November 30):

"Authors who have studied the biology of the infusoria have proved that they always reproduce by bipartition, but that after a certain number of successive divisions there necessarily intervenes a conjugation, that is to say, a union of two individuals, in the course of which a mutual exchange of nuclear material occurs. If for one reason or another, the conjugation is prevented, the infusoria, exhausted in some measure by the multiple divisions, begin to present phenomena of old age and of degeneration; they lose their vitality, their cells disappear, and finally they die. The conjugation acts like a whip-lash, giving to the aged race a new vigor. It has been calculated that this aging appears at the end of about 200 divisions; beyond 300 it would be impossible to attribute the aging to the infusoria. Nevertheless, more recent researches have shown that by modifying the culture medium, by the

addition of certain salts or by a slight elevation of temperature, etc., it is possible to prolong the normal life of the infusoria, so that age comes on only after about 600 generations. The recent experiments of Lorange L. Woodruff even tend to prove that an infusoria may divide indefinitely without any conjugation to rejuvenate the race.

"This author isolated, in May, 1907, a 'wild' Para moecium aurella; the individual was placed on an empty plate with five drops of water. Infusoria were divided into four individual groups, each of these was placed on a separate plate and these were established four lines of descent from the parent form. Since that time, that is to say, for five years, the author has isolated every day a new individual of these four lines; thus all conjugation was rendered impossible and the number of successive generations could be precisely noted. During the first nine months the infusoria were fed with a mixture of fresh grass, but later he employed as a culture-medium water from some pond or marsh; this water was always previously boiled, so as to avoid introducing some 'wild' individual into the pure culture. The extraordinary results obtained up to September, 1910, were published by the author. . . In May, 1912, the culture had already reached 3023 generations. . . In a general way there were three divisions every forty-eight hours. The author has never observed periods of physiologic depression in his experiments, with the exception of oscillations in the speed of division, attributable either to normal rhythm or to variations in the temperature of the culture. The Para moecia of the later generations differ from those of the earlier neither from the morphological standpoint nor from that of physiology.

"Woodruff's investigations thus show that in favorable conditions the cell possesses at least the power of producing a number of cells equal to 2 raised to the 3023th power. . . A one-celled organism thus may reproduce indefinitely, without the intervention of conjugation, and without the necessity of fecundation are inherent in living matter."—Translation made for The Literary Digest.

MICHIGAN WILL HOLD TAG DAY FOR BAND

Will Raise Fund to Send the Band to Cornell

Ann Arbor, Nov. 5th.—To raise a fund to send the band of the University of Michigan to Cornell, three thousand tags, at twenty-five cents a piece, will be put on sale today. Special rates have been obtained from the Michigan Central and Lehigh Valley railroads, to reduce costs to a minimum. It is planned now to send the entire band of 35 pieces. Itemized expenses will be as follows: fare round trip, including Pullman, \$18.70; three meals at 50 cents apiece, \$1.50; making a total expense of \$20.20 per man. For 35 men this makes a grand total of \$707.00. Small incidentals such as printing the tags, will bring the aggregate up to approximately \$715.00.

LECTURE COURSE IN ADVANCED PATHOLOGY

Announced by Dr. Adami at Meeting of Med. '15

A meeting of Medicine 15 was held at 11 a.m. yesterday. The president read a letter from Prof. Adami re his optional course of lectures on Advanced Pathology. In this course the recent and more important advances in Medicine were to be taken up and described so as to bring a man up to date in Medical progress. The lectures, twelve in number, will be held fortnightly, from 7.30 to 8.30 on the Friday evenings before the meetings of the Medical Society. The question of raising a larger class fund was then brought up and a motion was passed to levy 25c. from each member of the class.

The election of a hockey representative took place, Mr. Lane being elected. When the question of getting a class pin was raised, Mr. A. J. Martin informed the meeting that he had in mind a motion which he would shortly bring before the Medical Society, whereby a faculty pin would be inaugurated. This if passed would make class pins superfluous. Mr. Martin was asked to submit his motion as soon as possible.

The president also drew the attention of the class to the fact that all pictures for the Annual must be taken as soon as possible. As a unanimous motion was passed in favor of re-establishing theatre night. The following notice was posted re Prof. Adami's course:

ADVANCED PATHOLOGY. Course of lectures upon recent advances in Scientific Medicine, optional to members of 4th and 5th years. 1st lecture in the course will be given in the Pathology lecture room on Friday evening next (Nov. 7th) at 7.30. Subject—Recent Advances in Our Knowledge of Cancer and of its treatment (Fisher's Observations Mesothelium, etc.)

CO-ED LOSES LID IN KANSAS LIBRARY

Got Caught in the Ventilating System

Austin, Nov. 5.—Somewhere in the "inner" of the library building at the University of Texas, there is a perfectly good co-ed lid. The library building, all of its own accord, and with felonious intent, swiped it. And the facts are these: The class in Domestic Economy 204, which deals with housebuilding and sanitation and kindred matters, were inspecting the ventilating system of the library building under the supervision of Dr. A. Caswell Ellis, yesterday morning from 10.30 to 11.30. In the course of the inspection the class entered the intake chamber of the ventilating system. The suction draft was so strong that, although the young ladies struggled to maintain their hold on their movable property, one of them was so unsuccessful as to suffer for the loss of the lid herein referred to.

An automatic block signal system is being installed by the Southern Railway between Seminary and Orange, Va.

The Chicago and Alton has completed the installation of the final span in the new bridge over the Illinois River at Pearl.

Stockholders of the Chicago and Northwestern Railway Company have adopted resolutions approving the organization of the Iowa Southern Railway Company to construct a short extension to certain coal lands in Iowa.

It is estimated that if the railroads were to attempt to furnish equipment to move all the freight offered them in the busy season, without results, they would have to build 500,000 cars more and expend \$50,000,000 or \$60,000,000.

The Unique spectacle of a football squad working out new plays on a vegetable table was witnessed to-day when fifteen cripples of the Yale varsity team studied new diagrams sent to the hospital by Coach Jones. The cripples worked out the new formations with pencil and paper.

Defeat of the Yale crew at Princeton has caused the body as well as some of the alumni to lose their confidence in the present coaches. They expressed their dissatisfaction with the present system through the Yale News. The News argues that the difficult English stroke as taught by amateur coaches has failed.

At Cornell this year college activities seem to have attracted a larger number than ever before. The track squad is the largest in history. Over 100 men have reported for practice thus far, while the same is true of football. Sixty-five from the Freshman class have reported for practice. In the competition for positions on the Cornell Daily Sun, the publication of the university, twenty-one candidates have reported.



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In 50c. and \$1.00 bottles—at your Druggist's.

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PRINCETON TO HAVE UNIVERSITY PRESS

Books as Well as Periodicals to Be Henceforth Printed

Princeton University, following the lead of Columbia, Yale and Harvard, has organized a university press, which will supervise selection and publication of books deemed worthy of the university's imprint. The Scribner family of New York City a few years ago gave the college periodicals a handsome publishing headquarters at Princeton, which will now take in a higher titled guest. An attractive list of substantial books already is announced.

CANADA IS IN NEED OF SOCIAL WORKERS

Canadian Cities Offer Good Positions at High Salaries

Toronto, Ont.—In an address at the University of Toronto recently W. W. Lee, immigration secretary of the Y. M. C. A., made the statement that there are at the present time five Canadian cities offering good positions at good salaries for social workers. The Canadian cities which he found in this country, and negotiations are already under way to secure residents of the United States to do the work.

STUDENTS' ORCHESTRA PRACTICE TO-NIGHT

At 7.30 in the Hall—The Final Practice Previous to the R.M.C. Smoker

The Students' Orchestra will hold a practice at 7.30 to-night in Strathcona Hall. The number of men who came out last week was extremely encouraging. Since the orchestra is to furnish music at the Smoker to be tendered the visiting team on Saturday night, it is imperative that all the members should be on hand to-night.

MAP OF MONTREAL TO BE HUNG IN UNION

House Committee Decides Not to Hold Informal Dance

The weekly meeting of the Union House Committee last night had a fair attendance. After the minutes had been read by the secretary, the president announced that he had at last received the consent of the University Social Committee to hold an informal dance. After some discussion of the matter it was decided to postpone the proposed dance indefinitely on account of the lack of the reply from the Social Committee.

It was then proposed to frame a large map of the city which had been obtained and to hang it in the hall of the Union.

The attention of the committee was then called to the fact that the American Billiard table has not been used very much lately. This is probably due to the fact that the members of the Union do not know that ivory balls have been obtained, thus providing a much better game than the composition balls.

It was then announced that an application had been made by the Junior dance committee for the use of the Union Hall for the 28th of this month. It was decided to grant this and also to raise the amount that is charged for the hall in order to cover increased expenses.

Attention was called to the fact that many members have been noticed lately wearing their hats on the second floor of the building. The opinion was expressed that these men should be advised that it is customary in buildings of this description to remove hats except in the entrance hall.

It has also been noticed lately that members have been answering the telephone calls and not troubling to look for the person called or to leave the number written down on the letter rack. This practice should be discontinued as it is the business of the Hall Porter to answer the telephone and notify the person called if he is in the building, if not, to leave the number for him.

As there was no further business the meeting adjourned.

The proposed new division of the National Railways of Mexico to run between Tampico and Matamoros, will be approximately 225 miles long. It will obtain a connection with the Frisco railroad via the International Bridge that spans the Rio Grande at the Matamoros-Brownsville crossing. The Gulf coast country between Tampico and Matamoros is at present in a state of undevelopment. The soil is known to be exceedingly rich and with the building of a railroad through the region it is expected it will attract many settlers.

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HERE'S A POPULAR PRICED GUN FOR COLLEGE BOYS

Big Game Rifle for \$6.00
This is the genuine German Army Rifle ("Mauser") model 71, slightly used, and which we have transformed into a sporting rifle, calibre .11 m-m, or .43; length over all, 39 inches; length of barrel, 29 inches; weight, 7 pounds. For further particulars of this wonderful full rifle call at

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STUDENTS' PORTRAITS OUR NEW STUDIO :: 79 UNION AVENUE

WM. NOTMAN & SON

HOW TO LIVE TO BE 100.

Having consulted William Muldoon, Eugene Sandow, Dr. Woods Hutchinson, J. Pierpont Morgan, Mayor Gaynor, Dr. William Robinson, Union Sinclair and many other well-known authorities on health, we are enabled to present the following rules, these being the latest consensus of opinion:

Eat nothing.
Eat everything you want.
Walk at least ten miles a day.
Do not stir unless you ride in a carriage or some other vehicle.
Don't worry.
It is absolutely necessary that you study yourself. Remember, you are an animal.
Chew food until nothing remains.
Bolt everything. Only in this way will your stomach keep strong.
Never go on a vacation.
Change is absolutely necessary.
Sobriety, alcohol and tobacco.
Smoke all you want to. Drink everything.
Keep cool.
Perspire profusely.

ONTARIO MINERAL OUTPUT INCREASING.

The report of production of Ontario mines and works for the first half of the year, prepared by Mr. T. W. Gibson, Deputy Minister of Mines, shows a considerable increase in total output of metals. There was a slight decrease in silver from Cobalt district; but a large increase in gold from the Porcupine mines. The satisfactory condition of the nickel industry is told by the substantial increase in output of Sudbury mines.

For several years Ontario's total output has shown an increase, and 1913 bids fair to set a new record.

The Cobalt district may be expected to yield less silver than in 1912, and unless some remarkable discoveries are made, there will be a further falling off next year. The very rich ore forms a smaller and smaller percentage of the production of the district. It is to be expected, however, that Cobalt will be a very large producer of silver for many years to come.

The Porcupine district is by far the most important producer of gold that has yet been found in Ontario. 1913 will go on record as the first in which Ontario has produced a very large amount of the precious metal. Next year there will probably be a considerably larger production, provided, of course, that labor troubles are avoided.

There is also good reason to expect an increase in output of nickel and copper, as the increasing companies are finding a satisfactory market and are preparing to enlarge their plants.

NEW VICE-CHANCELLOR FOR CAMBRIDGE UNIQUE CONTEST

Dr. James, of King's College Receives Appointment

Dr. Montague Rhodes James, F.R.S., provost of King's College since 1905, has just been elected vice-chancellor of Cambridge University for the remainder of the current academic year, in succession to Dr. S. A. Donaldson, who has resigned.

Dr. James is the son of the rector of Lymington, Suffolk, and was educated at Eton and King's College, Cambridge. He had a distinguished career, and took first class honors in classics in 1884 and 1885. He was also so Carus prizeman in 1882, Fellow of the Royal Society in 1883, Craven scholar and Jeremie prizeman in 1884, and first chancellor's medalist in 1886.

For some years he was director of the Fitzwilliam Museum, and in 1903 he was Sandar reader in bibliography. Dr. James is also the author of numerous publications.

Jaeger Dressing Gowns and Jackets.

Jaeger Dressing Gowns for men are made from pure wool cloths and pure undyed camel hair fleeces. The pure wool gowns are in fancy checks, plain colors and figured designs. The camel hair is particularly attractive and comfortable.

Smoking and Lounge Jackets are made in equal variety of the same materials and fashioned to please the most fastidious men. In sizes from 36 to 46 chest.

Dr. JAEGER SANITARY WOOLLEN SYSTEM
316 ST. CATHERINE ST. W. Montreal.

NEW ROTARY POWER PUMP.

A new type of rotary power pump has just been developed by the Goulds Mfg. Co., of Seneca Falls, N.Y. This pump differs from the rest of the line of pumps of the same capacity in that gear style cams have been substituted for the three-toothed cams used in the remainder of the line, and the gears on the end of the cam shafts have been eliminated.

Two sizes are built: No. 1 has a capacity of 25 to 50 gallons per minute at 225 to 450 revolutions, and No. 2 has a capacity of 50 to 100 gallons per minute at 225 to 450 revolutions. Both pumps are suitable for pressures up to 100 pounds or 230 feet elevation.

They are mounted on a cast iron plate, fitted with an outboard bearing and tight and loose pulleys for belt drive. The suction connection for the three-toothed cams used in the remainder of the line, and the gears on the end of the cam shafts have been eliminated. No. 1 has two discharge openings, one tapped for pipe and the other threaded for hose couplings. No. 2 has three discharge openings, two fitted the same as No. 1, and the third fitted with an interchangeable blank flange. The suction is 3-inch on No. 1 and 4-inch on No. 2. The discharges are for 1 1/2 and 2-inch pipe or hose respectively.

UNIQUE CONTEST IN COLLEGE ORATORY

College and Non-College Men to Compete

A contest unique in college circles is soon to occur at Galesburg, Ill., when three college men and three non-college men will compete in an oratorical contest. It will be interesting to note whether the supposed advantage of the college student in all around information, and well-rounded development will be sufficient to win over the practically of the city and country men. The contest, which is arranged jointly by the Illinois Intercollegiate Prohibition Association and the Illinois W.C.T.U., will be limited to a discussion of some phase of the liquor problem.

FORESTS HAVE GREAT EFFECT ON RAINFALL

Their Influence Is Stronger Than That of the Sea

It is commonly thought that the moisture which forms clouds and falls as rain is almost entirely due to evaporation from the ocean, but scientific investigations show that seven-eighths of the rain which falls over land areas is supplied by evaporation over such areas, the ocean supplying only two-ninths of such precipitation. Dr. Raphael Zon, one of the foremost investigators in America, states that the forest evaporates more water than any vegetable cover and much more than free water surfaces. In fact it has been estimated by Dr. Fernow, of the University of Toronto Faculty of Forestry, that 75 per cent of the rain-fall over forested areas is returned to the atmosphere as watery vapour, which does much to increase the amount of moisture carried by air currents passing over such forests.

In Canada, the prevailing winds blow from the west and the provinces of Alberta and Saskatchewan are largely dependent for their rainfall on air-currents which come over the Rocky Mountains. It is a well known fact that winds passing over high mountains become cooled to such an extent that they lose most of their moisture, which falls in the form of rain, and hence the land areas for many miles to the leeward of such mountains receive so little rain-fall that they are often arid. But if the leeward slopes of these mountains are covered with for-

ests, as is the case in the Rocky Mountains, these forests will evaporate and render again available a large amount of the rain-fall over these mountains, which might otherwise pass off through underground channels and by reloading with moisture the winds blowing over the prairies, such forests make possible a much greater rain-fall than might otherwise occur. Should the east slope of the Rocky Mountains become denuded of tree-growth, it is likely that much larger areas in Alberta and Saskatchewan would be arid than is now the case.

This is but one of the many reasons why the Dominion Government are preserving the forests on the east slope of the Rockies by the creation of a forest reserve now nearly 21,000 square miles in extent.

The old mountaineer, who was standing on the corner of the main street in a certain little Kentucky town, had never seen an automobile.

When a good-sized touring car came rushing up the street at about thirty miles an hour and slowed down just enough to take the corner on two wheels, his astonishment was extreme.

The old fellow watched the disappearing car with bulging eyes and open mouth. Then, turning to a bystander, he remarked solemnly: "The horses must sholy ha' been travelling some when they got loose from that gentleman's carriage!" Philadelphia Ledger.

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Near St. Catherine
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Dress Suits or Frocks
Rented

"My Specialty" of Frocks,
Dress Suits, Tuxedos, Black
Overcoats for Balls, Ban-
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Prompt deliveries.
Reasonable charges.

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Repairs while you
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able.

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INTERCOLLEGIATE HARRIER MEET SATURDAY MORNING

Teams From Four Universities to Compete for Cross-country
Honors at 10.30

Another event of Intercollegiate im-
portance will be held on Saturday
morning when teams from Varsity,
Queen's, R. M. C. and McGill will com-
pete for the Intercollegiate Harrier
championship.

The meet will be held in Montreal
this year and the runners will set out
sharp at 10.30 from the gate at the
entrance to the McGill grounds.
The course planned out will take the
runners as directly as possible to
Fletcher's Field. They will cross the
Park to the Lower Mountain road,
continuing around to the back of the
mountain. After a run of some two
miles and a half they will turn and
following the same route back, will
finish on the track on the Campus,
in front of the grand stand, a total
distance of about five miles.

Both the Varsity and Queen's teams
are rumored to be very strong, the
former especially having as one of
their men Harold Campbell. He made
fine times in the long distance events
at Varsity's Field Day, but unfortun-
ately contracted a severe cold shortly
after, and suffered stiffening of the

muscles, which prevented him from
competing in the Inter-collegiate meet
in Kingston. None of the Queen's
men have any such record behind
them but the team is well-balanced
and made up of steady-going men.

Even if the Cadets have nothing
to show, they will all be in the pink of
condition, which is an attribute not to
be despised in such a grueling race.
For the Red and White Gordon, Gerrie
and Pickard-Cambridge are all ex-
perienced in long distance running,
the latter won the three mile event in
the Intercollegiate after a particularly
brilliant race. These three men, with
Hague, who is captain, White, the
Macdonald College man, and Vaucllet
will make up the team, the latter in
the capacity of spare, and will have
another workout tomorrow at the
regular hour. They have all been out
at the practices and are in fine shape.
Also they have quite an advantage in
having the meet on their own course,
of which they know almost every turn.
The officials will be Prof. MacLeod,
Prof. MacMillan and Prof. Ludlow,
of McGill, and Capt. Plummer, of R. M.
C.

BOXING CLASSES TO START ABOUT MIDDLE OF MONTH

Mr. L. H. Blake Has Been Engaged as Instructor—Classes Will
Be Held in Evenings—Advice to Beginners From the
President of the Club

The executive of the Boxing, Wrest-
ling and Fencing Club regret having
to announce that it has been impos-
sible to arrange for boxing classes to
begin before November 17th.

Mr. F. H. Blake has been engaged
as instructor, and judging from his
past record, should be a great suc-
cess. He was the welterweight cham-
pion of the British Army, and has ap-
peared during the past year in several
bouts at the National Sporting Club in
London, winning them all. He has
qualified as army physical instructor,
and is thoroughly acquainted with all
the modern methods of physical cul-
ture.

It was hoped that the small gymnas-
ium at the Central Y.M.C.A. would
be available for the boxing classes,
but this could not be arranged, be-
cause Mr. Blake is disengaged only in
the evenings, and the room in ques-
tion is free only on certain afternoon
hours.

The special exercise room, which is
at present being used by the wrestlers,
is entirely too small to accommodate
a boxing class, and the executive of
the club have therefore decided to
hold the classes in the football room
in the Union, two evenings a week, as
soon as the football term is finished
with it, which will not be until the
17th. The precise hours of instruction
will be determined by the opinions of
the men participating.

It is unfortunate that the matter has
to be left until such a late date, but
no solution of the difficulty other than
the present one seems possible.

The Intercollegiate assault-at-arms
is to be held in Montreal this year,
possibly in one of the city armories,
with teams entered from Queen's, To-
ronto and McGill, and the prospects of
a win for the latter seem very bright
indeed.

Four wrestlers of last year's team
have returned to college and are turn-
ing out to practices, and they will
have to work to keep their places on
it, judging by the amount of new mat-
terial available.

It is too early as yet to make any
predictions concerning the boxing, but
two of last year's winners are back.

Editor's Note—Below we print some
very good advice to beginners in the
Boxing, Wrestling and Fencing Clubs.
This advice is given by J. B. Mac-
Phail, the President of the Boxing,
Wrestling and Fencing Club, and may
be well taken to heart by all those
interested in any of the above-men-
tioned sports.

"Many of the beginners who turn
up to classes say in a mournful and
pessimistic tone that they have no

chance of making a team. Of course
they haven't—with only four months
experience to go upon—but do they
ever think of next year? Naturally,
a man with one season's experience—
unless he is a phenomenon—is not go-
ing to defeat a man who has boxed or
wrestled for four years. Does that
beginner ever consider the fact that
a good team must be developed gradu-
ally, and that when some good man
drops out, he cannot be properly re-
placed by a man who has had only
four months' instruction? There
should be men with two or three
years' experience to take the places
of the men who leave.

A good team cannot be made in one
season, and the failures in the past
have been due to these causes, the
presence on teams of men without ex-
perience—though they were the best
available—and the failure to properly
develop new men for teams a year or
so hence.

So let the beginners remember that
they must look into the future, and
not get discouraged because they fail
to make the team the first year they
turn out. Should they so fail, let
them try again, after another sea-
son's work, and they are much more
likely to succeed. There must be a
team this year, and the next, and
every year."

"PEP" PAISLEY.



Who was missing from the prac-
tice to-day but will be at right half
Saturday in spite of his "Charley-
horse."

COACH SHAUGHNESSY PUTS SENIORS THROUGH FAST PRACTICE YESTERDAY

Better Form Will Have to be Shown if the Red and White Are to Win Saturday

SECONDS LEAVE TO-NIGHT TO MEET ST. MICHAEL'S

Intermediates Are in Fine Condition—Should Win the First of Their Home and Home Games—
Third Team May Disband

The Rugby squad had a hard work-
out yesterday afternoon in preparation
for the game with the Cadets on Satur-
day. After a short tackling practice
the seniors lined up against the seconds.
The intermediates put up a very good
defence.

The team showed little improvement
on the form displayed the day before
and are still lacking in pep. To win
on Saturday they will have to show
a better fighting spirit, than has been
shown by them up to date.

Last Saturday the team showed any-
thing but class and as the Cadets
are fighters from the start to finish
the McGill team will have to improve
wonderfully to come out on top in the
game.

Coach Shaughnessy tried hard yester-
day to instill some pep and fighting
spirit into the men and it won't be his
fault if the players show the lack of it
on Saturday.

Before lining up against the Interme-
diates Shaughnessy put the men
through a tackling practice. The men
were weak in tackling and will have to
show improvement in this department
or the R.M.C. backs will get away
from them for they are all very fast.
The seniors scored fairly often on the
Intermediates but since McEwen's
stalwarts got away several times for
good gains. There were quite a num-
ber of changes on the Senior line so
the line-up for Saturday is still some-
what doubtful.

Draper, Woodliff and Laing started
out on the Senior half line and Jimmy
Lee who was hurt in the Queen's game

was back in his old position again.
Montgomery was at the keystone posi-
tion, though several times Shaugh-
nessy took a hand in order to show
Monty how to get some of the plays an-
ger way. The regular scrumage com-
posed of DeMuth, Abbott and Mc-
Lean, started out, but later Wickson
was put in Red McLean's place and
McLean was moved out to middle.
Dave Williamson filled Hughes place
until he was hurt and then another
substitute was put in. Norm, Wil-
liamson played in various positions al-
ternating at middle, inside and out-
side. Chuck and Waterous was at right
middle and Gendron and Jeffrey were
on the ends.

Brophy was on the side lines yester-
day and will not likely start out on
Saturday. Pep Paisley, and Lemay
were the only absentees from yester-
day's practice, Paisley, owing to some
academic work, was unable to get out
yesterday but will be on deck to-day.
Lemay has the ligaments of his elbow
torn and will hardly figure on the Red
and White team against the soldiers.
Joe Donnelly and Bill Hughes were
both out and indulged in a light work-
out. Shaughnessy is not taking any
chances with his two husky inside men
as he wants to save them for Satur-
day's game. They ran around the
track to keep in trim. Grey Masson,
who caused quite a surprise by turn-
ing out to Tuesday's practice was out
again yesterday but was not used as
he is not in condition and is not
familiar with the plays or signals as
yet. He will likely be on the side
lines on Saturday and may possibly be
used.

Several new plays were practiced
yesterday and later against the Inter-
mediates, they resulted after in big
gains for the seniors. Waterous and
Ross were used in the backs mostly.
Draper and Woodliff pulled the latter
good end runs though the latter was
inclined to fumble the pass. Laing
did most of the kicking and his work
was very good.

The second team showed all kinds of
stuff against the seniors. They have
their signals and plays working well
and several times the backs got away
for good gains. Buckley did not take
part in the line-up as he has a sore leg
but Rainboth who was at centre-half
put up a good game. The backs caught
and ran well, especially Scott, who
made thirty yards around the Senior
end once.

The rest of the regular team were all
out and took part in the practice.

The Intermediates leave to-night for
Toronto, where they will lock horns
with the St. Michael's team.

They have a great little fourteen and
should win against the Irishmen to-
morrow. This game is the first of the
home and home series for the Interme-
diate title and if the McGill team hold
St. Michael's Friday afternoon in To-
ronto they should carry off the cham-
pionship.

MCGILL HAS BEST CHANCE FOR RUGGER CHAMPIONSHIP

Crucial Game Will Be Played This Saturday — Man Who Was
Hurt Last Week Is Much Improved

On the coming Saturday the McGill
English Rugby team will play a de-
cisive game with the Lachine team.
The championship depends on the re-
sult of this game and every effort is
being made by the McGill team to
get into the very best of form for
this crucial struggle. As the League
stands at present the McGill team is
leading with seven points to their
credit. The English and Scottish
teams each have six points and play
against each other this coming Sat-
urday. If the McGill team was to
lose its game the winners of the Eng-
lish and Scottish match would be
champions. However, if the McGill
team was to tie its game, then the
Red and White would be tied with
the winners of the important game,
which is to be played on Saturday.

However, if the McGill team wins its
game, which it stands a splendid
chance of doing, none of the other
teams in the League will be able to
figure at all in the championship
race, as the Red and White will have
nine points, one more than any team
in the League, except the McGill
team, can possibly score. This decid-
ing game will be played on the
grounds of one of the other clubs in
the League, as the McGill grounds

will be in use by the senior Rugby
team. The McGill team has done very
well this season and may be able to
show a surplus at the end of the year.
Their showing against the All-Stars
last Saturday was very creditable.
The men on the team have practised
faithfully all season, and are now
reaping the rewards of their work by
having a splendid chance of winning
the championship.

Kenner, of the All-Star team, who
was hurt in last week's match, is
showing marked improvement and
will be all right in a few days now,
though he will be out of the game
for the year. Russell, who had star-
red for McGill early in the season, hurt
his shoulder in the latter part of last
week and was unable to play against
the Picked Team on Saturday. He is
still unable to use his left arm and
probably will not figure in any more
games this season.

R.V.C. BASKETBALL HOURS ARE ARRANGED

Practices Will Be Held on Mon-
day, Wednesday and Saturday

The hours for basketball practices
have been arranged as follows: Sat-
urday, 1st and 2nd years, Wednesday, 2 to 3.
Friday, 5 to 6.
3rd and 4th years—Wednesday, 3 to 1.
Friday, 2 to 3.

General practice—Monday, 5 to 6.
This general practice will be for non-
resident students from 5.30 to 6.30, and for
resident students from 5.30 to 6.

Those who cannot attend their own
year practice may attend another, but
they will not have first choice of play.

STUDENTS ADOPT "NO DEAL" AGREEMENT

Concerns Election to Undergrad-
uate Offices

Following is the "No-Deal Agree-
ment" adopted by the undergraduates
of Williams College, together with an
explanatory interpretation of it, as
published in the Williams Record:

"It is agreed by us upon our hon-
or, as students of Williams College,
that neither as members of a frater-
nity, nor as individuals, will we en-
ter into any 'deal' or combination in
regard to the support of any under-
graduate for any undergraduate of-
fice. It is understood that a specific
agreement between individuals or
fraternities is not essential to the for-
mation of such a combination. This
agreement is interpreted to include the
nominating of any individual by any
body of undergraduates of this col-
lege to the exclusion of other possi-
ble nominees from the same body."

"Any violation of this agreement
shall be punishable by the forfeiture
of eligibility to any undergraduate
electoral office and by the forfeiture
of the privilege of voting in any un-
dergraduate election.

"With a view to make clear the
second sentence of the agreement, 'It
is understood that a specific agree-
ment between individuals or fraterni-
ties is not essential to the formation
of such a combination,' the commit-
tee ruled at the meeting on Thurs-
day evening that it would interpret
the sentence to mean as follows: 'A
tacit understanding violating the
spirit of the agreement, between in-
dividuals or fraternities to support
any undergraduate for any under-
graduate office shall be considered a
deal.'"

THE OTHER COLLEGES

Notes and News Gleaned From
Exchanges

Ames has adopted the pushball com-
test to take the place of the annual
freshman-sophomore scrap.

Glenn Warner says that Carlisle
will not miss Jim Thorpe so much. In
Arcadia, he has the whirlwind back he
counts on to replace the great Olym-
pian.

A member of the freshman football
team of Missouri University wears a
number 12 football shoe, which is said
to be the largest shoe ever ordered at
Missouri.

At the first meeting of the year
Barnard Literary Society of Colum-
bia University decided to give a play
taken from the Hindu or Russian au-
thors.

According to statistics recently com-
piled by the Yale News, 747 freshmen
have entered the university. Of this
number, 391 are in the academic fresh-
man class, and 356 in the Scientific
School.

The University Senate of Duke Uni-
versity has repealed a law passed six
years ago by the same body prohib-
iting any organization in the univer-
sity to give or participate in dancing
parties.

The woman's Pan-Hellenic council
at Indiana has taken a sensible stand
in regard to the new dances. That
body does not condemn all the new
dances, but simply because they are
new, and the ability of the air to con-
duct or reflect the waves becomes very
variable.

Hereafter not less than three, nor
more than one of the men and wo-
men students at Colorado State Uni-
versity may go to the mountains for
strolls, picnics, etc., according to a
new rule passed by the faculty at
that institution. Gloom for the "fuser"
this year.

At the annual sack scrap between
the freshmen and sophomores of Boul-
der University, the freshmen won by
the score of 16 to 6. According to
the rules the class having the most
sacks in its possession at the close of
the game is declared the victor. If
the freshmen win they take off their
regulation caps at Christmas, if they
lose they wear them until the spring
vacation.

MARCONI EVIDENCE PROVES VALUABLE

Paper of Dr. Barnes Retains the
Findings of Investigation

At a meeting of the Physical Socie-
ty, held on Tuesday, a most interest-
ing paper was read by Dr. Barnes
on "Marconi Evidence."

The British government had called a
convention of eminent scientists to in-
vestigate and report on the question
of an Imperial wireless system. Dur-
ing the investigation Marconi made a
report on his system as to the adaptability
of its system to this proposed wire-
less scheme and mentioned some of
the improvements expected from pre-
sented researches.

A special feature of the Marconi
system is that a direct wave antenna is
employed to send out the wireless
waves in any desired direction.
The directive antenna consists of a
series of parallel horizontal wires lead-
ing to a spark discharge originator.
But the reason why the directive an-
tenna does determine the direction of
the wireless waves is not fully under-
stood.

The other systems of wireless—and
there are three other distinct systems—
use as transmitter a vertical rod
with a pencil of wires meeting near
directly. Influence, for as Marconi
pointed out, the whole system of ver-
tical wires is equivalent to one very
long vertical aerial, which obviously
can exert no directive influence on the
transmitted waves.

The Marconi waves are made up
of a series of pulses, regularly spaced,
each pulse consisting in several suc-
cessive oscillations of electric force. The re-
gulator of this wave chain permits the
tuned to the spark discharge of the
transmitting station which renders
the whole system much more sensi-
tive and efficient.

The Poulsen system follows the
same general idea but quenches the
spark discharge until but only two
oscillations are obtained. In this case
the pulses are not equally spaced in
time, but the accuracy of tuning is
impossible.

The Poulsen Universal Radio-
Syndicate first solved the problem of
a continuous wave train in the ether
by means of the "singing arc." The
limitation of this system is that suf-
ficient power cannot be made to radi-
ate from the "singing arc" to enable
the wireless waves to be detected at
distances much above 2000 miles. Yet
it has proved highly satisfactory for
short distances.

The other system of producing a
continuous wave train is by means of
high frequency alternators. It is es-
pecially this feature of the work that
is occupying the attention of most
cause it is realized that to send a
strong wave great power must be
radiated from the transmitter, and the
high frequency alternator promises to
fulfill this requirement.

A strange phenomenon is that dur-
ing the daytime the relative strength
of signals between two stations is
constant, while near sunset the
strength of the signals rapidly in-
creases, only to decrease after sun-
set. During the night the strength of
signals is very variable, so much so
that at one period of the night sig-
nals may travel only 1-10 (one-tenth)
of the distance at another period of
the night. At sunrise the strength of
signals again rises to a maximum
and decreases to the constant value for
daytime. This phenomenon, while not
fully understood, is explained on the
theory that the sun's rays ionize the
upper layers of air, thus making the
air a good conductor for other waves.
At night this ionization becomes much
more variable than during the day-
time, and the ability of the air to con-
duct or reflect the waves becomes very
variable.

Dr. Barnes closed by mentioning
some of the questions which are now
open to research.

1. A study of atmospheric distur-
bance and its effect on wireless waves.
2. Variation in the dielectric con-
stant due to ionization of the air.
3. To produce a very sensitive co-
herer, or else some new application
of the relay circuit.
4. To perfect the application of high
frequency alternators to the produc-
tion of a continuous train of wireless
waves.

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Is "All Right"



THE ROYAL MILITARY COLLEGE OF CANADA
THERE are few national institutions of
more value and interest to the coun-
try than the Royal Military College of
Canada. Notwithstanding this, its object
and the work it is accomplishing are not
sufficiently understood by the general
public.

The College is a Government institution,
designed primarily for the purpose of giving
instruction in all branches of military
science to cadets and officers of the Cana-
dian Militia. In fact, it corresponds to
Woolwich and Sandhurst.

The Commandant and military instruc-
tors are all officers on the active list of
the Imperial army, lent for the purpose,
and there is in addition a complete staff
of professors for the civil subjects which
form such an important part of the Col-
lege course. Medical attendance is also
provided.

Whilst the College is organized on a
strictly military basis the cadets receive
a practical and scientific training in sub-
jects essential to a sound modern educa-
tion.

The course includes a thorough ground-
ing in Mathematics, Civil Engineering,
Surveying, Physics, Chemistry, French
and English.

The strict discipline maintained at the
College is one of the most valuable fea-
tures of the course, and, in addition, the
constant practice of gymnastics, drills and
outdoor exercises of all kinds, ensures
health and excellent physical condition.

Commissions in all branches of the Im-
perial service and Canadian Permanent
Force are offered annually.
The diploma of graduation is considered
by the authorities as equivalent to the ex-
amination for Dominion Land Surveyor to be
equivalent to a university degree, and by
the Regulations of the Law Society of
Ontario, it obtains the same exemptions
as a B.A. degree.

The length of the course is three years,
in three terms of 36 months each.
The total cost of the course, including
board, uniform, instructional material,
and all extras, is about \$800.

The annual competitive examination for
admission to the College, takes place in
May of each year, at the headquarters of
the several military districts.

For full particulars regarding this ex-
amination and for any other information,
application should be made to the Secre-
tary of the Military Council, Ottawa, Ont.,
or to the Commandant, Royal Military
College, Kingston, Ont.

11 Q. 94-5.
9-09.

WHEN IN BOSTON Be sure you stop at the Copley Square HOTEL, —BEST OF CUISINE— AMOS WHIPPLE, Manager.

ARTS CHAMPIONSHIP SOON TO BE DECIDED

'15 Plays '16 in Final Game on
Saturday Morning

The class championship of the Fac-
ulty of Arts will be decided when '15
meets '16 at 11 o'clock Saturday morn-
ing. In preparation for the struggle,
'15 is to hold a signal practice this
afternoon from 3 to 4. Any of the
substitutes who wish to catch a place
on the team will be given a chance,
as several men who played in the
last match will be missing from the
line-up.

THEOLOGUES CONTEND FOR SOCCER LAURELS

Wesleyans Defeat Presbyterians
By Score of 2 to 0.

Wesleyan theology may or may not
be as good as the Presbyterian brand,
but on Wednesday morning Wesleyan
football proved decidedly superior.
Wesley's followers played good com-
bination, were much quicker on the
ball, and shot at every opportunity,
while it would have made good John
Knox's hair stand on an end could
he have seen his spiritual posterity
putting up a good fight and trying to
defeat the end of their election.

Williams and Hughes scored one
each for the Wesleyans, the Presby-
terians failing to make a tally.

HARVARD ALUMNI BACK GYM. PROJECT

Large, Unsolicited Contributions
Offered to Committee

Cambridge, Nov. 5.—The prospects
of a new gymnasium are now begin-
ning to take material and definite
shape. The informal graduate com-
mittee which has been carrying on the
campaign has received several large
offers of contributions in the form of
as definite action has been taken. No
attempt has been made to request
contributions from the alumni, but all
that have come in have been volun-
tary. H. Fish, Jr., '09, has pledged
\$5000 to be turned over as soon as
President Lowell shall appoint a com-
mittee to carry on the work.

The Washington Senators are trying
to get hold of Johnny Griggs, the Cin-
cinnati outfielder. Griggs feels the
need of a good, hard hitting man in
the outer gardens and thinks Bates
would fill the bill.

Matt McGrath, the Olympic cham-
pion at throwing the hammer, will
not compete in any athletic meets before
next spring has received. McGrath
is regaining sight in his eyes slowly,
but surely, and the doctors
assure him in time his sight will be
as good as ever.

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Mon. 2020 only

The "Daily" would welcome to its columns any correspondence dealing with this subject and especially any suggestion which would serve to make the event a most successful one.

This is, however, the inevitable result of size. Even though McGill may not be counted among the large universities in total enrolment, it has a more greatly diversified life than many a larger institution.

of course, are a cover and add to the burden of the glands beneath. Corsets, tight collars, waistbands, and garters put a tension or stress upon the regions underneath them similar to what is described above. The conditions may be apparent from the consideration of this matter of humidity alone, that there must be a very decided difference of tension over surfaces covered from those open and exposed to the changing atmospheric conditions. Over the hands and feet the place of the hand and foot the moisture off, to absorb it, but the covering over the chest hinders this. The more clothing and the closer it is woven and fits, the more difficult the air has in percolating through or sweeping in and out, and the moisture which has been absorbed and which is pushed back over it and this accounts for the reddening and irritability of the skin. Clothing, then, tends to a decided unevenness of atmospheric conditions about the body and this causes radical differences in its surface as to tension and the activity of the glands that part is subjected to. Whatever, therefore, tends to minimize those differences of temperature, humidity, work, tension, pressure, or of whatever is fatiguing or irritating, would seem to promote a better tone, to improve the hygiene of the skin which is to be benefited thereby.

What the skin suffers in spots from

THE PENNSYLVANIA TUNNELS

The writer thinks there are now difficulties in the way of a H. bridge, gigantic as the plan seemed. He says:

"The engineering profession would look far to-day to find that such a bridge is entirely feasible. The span required is no greater than that which is being made at Quebec across the St. Lawrence. The achievement advances made in bridge engineering in the past quarter century, the mental structure and the mechanical arrangements in bridge engineering on the continent of Europe with all that has been done in New York City itself, the advancement in the machinery for the erection, with improvement in the quality of now available to the engineer—all these great precedents now available, it said surely are agreeable to the St. Lawrence bridge. The possibilities of American engineering."

Typnoid vaccination is a matter of compulsion in the American army in many of the large American nations. At McGill it ought at least to be brought to students notice. Thanking you for this space in your valuable letter.

Yours very truly,
R. V. C.

Second Motion Picture.
Dancing Lesson
And others.

PICTURES MON. WED. FRI. AND SUN.
CHANGE

Next Week—"STAR AND GARTER"